



# भारत का राजपत्र The Gazette of India

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No. 31] NEW DELHI, SATURDAY, AUGUST 2, 1980 (SRAVANA 11, 1902)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 2nd August 1980  
CORRIGENDUM

In the Gazette of India Part III, Section 2 dated the 22nd September 1979 in Page 565 column 2 under the heading "PATENTS SEALED" delete 143167.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 155 of the Act.

26th June 1980

- 727/Cal/80. Ashru Bindu Majhi. An automatic and continuous power producing machine losing high by a heavy weight.
- 728/Cal/80. Ammonia Casale S. A. and Umberto Zardi. Axial-radial reactor for heterogeneous synthesis.
- 729/Cal/80. Hoechst Aktiengesellschaft. Internal cooler for reaction vessels.
- 730/Cal/80. Cabot Corporation. Production of high surface area carbon blacks.
- 731/Cal/80. Chlorine Engineers Corp., Ltd. Apparatus for electrolyzing an aqueous solution.
- 732/Cal/80. Instytut Ciekkiej Syntezy Organicznej "Blachowia" and Biuro Projektow i Realizacji Inwestycji Przemyslu Syntezy Chemicznej "Prosynchem". Method for processing of post-hydrylic lignocellulose obtained in the process of production of furfural for formed fuel or formed charcoal.

1-177GI/80

733/Cal/80. Zaklady Tworzyw Sztucznych. Process of production nitroglycerin explosives.

734/Cal/80. Hoechst Aktiengesellschaft. Two-phase printing process for preparing conversion articles and discharge resist prints.

735/Cal/80. W. Hegler. A sprinkler hose.

736/Cal/80. R. E. Asher and J. J. Dennemeyer. Multi-purpose outerwear.

737/Cal/80. Inventa AG fur Forschung und Patentverwertung. Process and apparatus for the continuous preparation of threads of melt-spinnable polymers.

738/Cal/80. S. A. Labaz N. V. Indolizing derivatives, process for preparing the same and uses in therapeutics. (July 6, 1979).

27th June 1980

739/Cal/80. Dana Corporation. Two stage coaxial spring damper.

740/Cal/80. Plessey Handel Und Investments AG. Improvements in or relating to demodulators. (June 27, 1979).

741/Cal/80. Hoechst Aktiengesellschaft and Rheinische Braunkohlenwerke Aktiengesellschaft. Production of calcium carbide.

742/Cal/80. Institut Matematiki i Mekhaniki Akademii Nauk Azerbaidzhanskoi SSR. Hose.

743/Cal/80. E. E. Reed, R. D. Reed and T. N. DePew. Apparatus and method for processing organic materials into more useful states.

(455)

28th June 1980

- 744/Cal/80. Socared SA. Wear and abrasion resistant wall structure, particularly for mills for grinding a charge comprising magnetic material.
- 745/Cal/80. Stamicarbon B. V. Process for the chemical removal of phosphorous compounds from waste water and process for the purification of waste water.
- 746/Cal/80. Plessey Handel Und Investments AG. Improvements in or relating to transceivers. (June 29, 1979).
- 747/Cal/80. Burroughs Corporation. Stacked drop generators for pulsed ink jet printing.
- 748/Cal/80. Somnath Roy. A machine or apparatus for effecting withering of tea leaves. [Addition to No. 636/Cal/79].

30th June 1980

- 749/Cal/80. Veb Kombinat Medizin- Und Labortechnik Leipzig. Guiding control for medical devices and instruments.
- 750/Cal/80. Dr. C. Otto & Comp. GMBH. A method of heating coke ovens.
- 751/Cal/80. Dr. C. Otto & Comp. GMBH. A horizontal conveyor trough, more particularly for coke oven charging cars.
- 752/Cal/80. Vermont Castings, Inc. Method and apparatus for improved construction of fuel burning heating assemblies.
- 753/Cal/80. Chinoin Gyogyszer ES Vegyeszeti Termékek Gyara R. T. Sulfur-containing isoquinoline derivatives, process for the preparation thereof and pharmaceutical compositions containing them.
- 754/Cal/80. Veb Dampferzeugerbau. Natural circulation steam generator of double-duct construction with pipe walls welded in gas-tight manner.

1st July 1980

- 755/Cal/80. L. Singh. Safety device to arrest the cage and keep in suspension in the guide rope in case of failure of the winding rope.
- 756/Cal/80. Shell Internationale Research Maatschappij B. V. Process for the preparation of hydrocarbons.
- 757/Cal/80. Tatabanyai Szenbanyak Method of mining heavy coal seams in two or more benches.
- 758/Cal/80. Graf & Cie. A-G. A card clothing for carding machines.
- 759/Cal/80. (Mrs.) Sita Parameswaran. An improved tubelight assembly.
- 760/Cal/80. G. L. Popova., N. S. Gavryushenko, L. A. Vorobieva, A. D. Stolyar, G. P. Drozdova, V. T. Shashkova, N. I. Krukovskaya and A. A. Boredkin. Method of joining the mating surfaces.

2nd July 1980

- 761/Cal/80. A. H. Robins Company Inc. 2-amino-3-(Alkylthiobenzoyl) phenylacetic acid.
- 762/Cal/80. Petrocarbon Developments Limited. Process for the recovery of argon. (July 12, 1979).
- 763/Cal/80. Burroughs Corporation. Magnetic bubble package with chips mounted face-to-face.
- 764/Cal/80. Combustion Engineering, Inc. Apparatus for tilting low load conical nozzle.
- 765/Cal/80. Smt. Namita Banerjee. Device for preventing pollution of air/atmosphere caused by unburnt exhaust gases of internal combustion engines, and simultaneously for improving the fuel consumption of said engines.

ALTERATION OF DATE

147884.

18/Mas. 78.

Deemed to have been filed on 10-3-1980 under Sub-Rule 2(d) of Rule 7 of the Patents Rules, 1972.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 90F.

147883.

Int. Cl.-C03b 37/00.

## AIR NOZZLE ASSEMBLY FOR USE IN APPARATUS FOR PRODUCING GLASS FIBERS.

*Applicant* : NITTO BOSEKI CO., LTD., OF 1, AZA HIGASHI, GONOME, FUKUSHIMA-SHI, JAPAN.

*Inventors* : HIROAKI SHONO, SHINZO ISHIKAWA AND ISAO WAKASA.

Application No. 1506/Cal/77 filed October 13, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An air nozzle assembly for impinging air jets against the undersurface of an orifice plate disposed at the bottom of a bushing of a glass fiber spinning apparatus, comprising a plurality of tubular nozzles arranged in such a way that their discharge ports are arranged in line and spaced apart from each other by a predetermined distance.

Comp. Specn. 20 Pages.

Drg. 5 Sheets.

CLASS 128E &amp; 187B.

147884.

Int. Cl.-H04r 1/06.

## A PROBE FOR USE AS ULTRASONIC TRANSDUCER.

*Applicant* : INDIAN INSTITUTE OF TECHNOLOGY, MADRAS-600036. TAMIL NADU.

*Inventors* : THAIYAR MADABUSI SRINIVASAN AND V. RAMACHANANI VASUDEVA RAO.

Application No. 18/Mas/78 filed March 10, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims. No drawings.

A probe for use as ultrasonic transducers consisting of a ceramic material or crystal and a backing material mounted above the said ceramic material or crystal for absorbing the back radiation thereof said backing material consisting of Aluminium powder mixed with epoxy resin and hardener to form a cohesive solid mass, the said ceramic material or crystal being adapted to be connected to the lead terminals of the probe.

(Comp. Specn. 3 Pages)

CLASS 166c. 147885.

Int. Cl.-B63h 23/08.

AN IMPROVED STERN-DRIVE DEVICE FOR SAILING VESSELS.

*Applicant & Inventor*: KARALAPATY RANGANATHAM KULASEKARAM, 31, RAMESWARAM ROAD, T. NAGAR, MADRAS-600 017, TAMIL NADU.

Application No. 83/Mas/78 filed June 21, 1978.

Appropriate office for opposition Proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims.

An improved stern drive device for sailing vessels to be operated in conjunction with an engine having a horizontally disposed output shaft, comprising a top gear box assembly mounted on the sailing vessel transom, the top gear box assembly being provided with a stern drive input shaft disposed horizontally and rotatably connected at one end to the said engine output shaft; an intermediate shaft disposed at right angle to the said input shaft and rotatably connected to the other end thereof to transmit the engine drive through a right angle; a propeller gear assembly mounted on the free end of the said intermediate shaft, said propeller gear assembly being provided with a horizontally disposed propeller output shaft which is rotatably connected at one end to the free end of said intermediate shaft to transmit the engine drive through another right angle; and a propeller rotatably mounted at the other end of the said propeller output shaft.

(Comp. Specn. 9 Pages.

Drg. 1 Sheet).

CLASS 136 I+M+145F. 147886.

Int. Cl.-D21j 3/00.

PROCESS FOR THE MANUFACTURE OF MOULDED ARTICLES FROM COTTON FABRIC WASTES.

*Applicants*: PHENOWELD POLYMER PRIVATE LIMITED SAKI VIHAR LAKE ROAD, BOMBAY-400 072. STATE OF MAHARASHTRA INDIA.

*Inventor*: ADHAR SAHURAM MIRCHANDANI.

Application No. 173/BOM/78 filed June 12, 1978.

Complete after provisional left on August 28, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

9 Claims. No Drawings.

1. A process for the manufacture of moulded articles such as trolley wheels, fibre bearings and the like from cotton fabric wastes comprising chopping or cutting said cotton fabric wastes into predetermined size and insuring during the step of cutting that the length of the cotton fibres are not destroyed, impregnating or coating said cotton cuttings with a resin solution consisting of phenol formaldehyde resin in a solvent in a manner such that the fibre length of the cotton cutting are not destroyed, drying the said impregnated or coated cotton cuttings such that after drying, the solvent content in the cotton cuttings is not more than 15%, insuring during the step of drying that the length of the cotton fibres are not destroyed, charging said dried impregnated or coated cuttings, in a compression mould for moulding into articles under heat and pressure.

Complete Specification 11 pages.

Drg. Nil.

Provisional specification 4 pages.

CLASS 25D.

147887.

Int. Cl.-E04g 21/16.

A METHOD OF AND APPARATUS FOR CONSTRUCTING REFRACTORY BRICK LININGS ON TUYERE PLATES OF VESSELS FOR TREATING, AND IN PARTICULAR REFINING METAL MELTS.

*Applicant*: EISENWERK-GESELLSCHAFT MAXIMILIANSCHUTTE MBH, OF 8458 SULZBACH-ROSENBERG, WEST GERMANY.

*Inventors*: PAUL GERHARD MANTEY AND DR. HANS GEORG FASSBINDER.

Application No. 1640/Cal/77 filed November 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A method of constructing a refractory brick lining on a bottom tuyere plate for a vessel for refining or otherwise treating metal melts, wherein an imperforate lining is first constructed on the bottom tuyere plate, held in an assembly frame and disposed horizontally, and then placing the brickwork on the said bottom plate in one or more layers with or without mortar or other jointing material, and the tuyere ducts are formed in the lining preferably by drilling away some of the refractory material of which the bricks are made.

Comp. Specn. 11 Pages.

Drg. 1 Sheet.

CLASS 95-I. &amp; 116 G &amp; H.

147888.

Int. Cl.-B66c 17/12.

SELF-CLOSING TONGS FOR TRANSPORTING CRANE.

*Applicant*: MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, OF KATZWANGER STRASSE 101, D 8500 NURNBERG, WEST GERMANY.

*Inventor*: ERNST KROPIK.

Application No. 1650/Cal/77 filed November 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Self-closing tongs fixed to the lifting traverse of in particular a slab transporting crane, whereby the tongs in each case have a pair of two-armed tong members fixed to a cross-arm and rotating in opposite directions about a horizontal axis, the lower arms thereof carrying the gripping means and the upper arms thereof being connected in articulated manner with in each case a guide rod whose other inner rod ends are fixed in articulated manner to the lifting traverse and whereby the tong members of each pairs of tongs are displaceable in a horizontal direction by means of an adjusting device, so that the gripping means can be adjusted almost horizontally over the entire tong adjustment range, characterised in that the tong members (4<sub>a</sub>, 4<sub>b</sub>) of each pair of tongs are movable independently of one another by means of in each case one adjusting device (8).

Comp. Specn. 15 Pages.

Drg. 2 Sheets.

CLASS 162.

147889.

Int. Cl.-D07b 3/00, D07b 9/00.

DEAD END APPLIANCE FOR LINEAR BODIES.

*Applicant*: PREFORMED LINE PRODUCTS COMPANY, OF 660 BETA DRIVE, CLEVELAND, OHIO 44113, UNITED STATES OF AMERICA.

*Inventor*: HARRISON LAMONT WILLIAMS.

Application No. 43/Cal/78 filed January 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A linear body dead end appliance for receiving and supporting a flexible linear body along a portion of the length thereof, said appliance comprising: an elongated body having reversing loops at the opposite ends thereof, one of said reversing loops defining an appliance mounting loop terminating in a generally S-shaped configuration adapted to be received an appliance mounting member and the other of said reversing loops defining an appliance mounting loop terminating in a generally U-shaped configuration, said linear body being supported by passing through said U-shaped loop, around said body and around said S-shaped loop, and around said portion of the body forming said appliance mounting loop.

Comp. 8 Specn. 17 Pages.

Drg. 1 Sheet.

CLASS 126B.

147890.

Int. Cl.-E21b 21/00.

APPARATUS FOR GEOCHEMICAL EXPLORATION FOR MINERAL, HYDROCARBON AND GEOTHERMAL DEPOSITS.

*Applicant*: BARRINGER RESEARCH LIMITED, 304 CARLINGVIEW DRIVE, REXDALE, ONTARIO, CANADA.

*Inventor*: ANTHONY RENE BARRINGER.

Application No. 379/Del/77 filed November 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 10 Claims.

Apparatus for geochemical exploration for mineral, hydrocarbon and geothermal deposits comprising:

(a) a suction tube having an open lower end adapted to be positioned in proximity to the surface of the earth or of vegetation,

(b) suction means provided at the opposite end of said tube for applying suction to said tube thereby to draw particles from the surface of the earth or of vegetation through said tube in a stream of air, and

(c) means connected to said suction tube for receiving, grading and storing the said particles for subsequent analysis.

Comp. Specn. 15 Pages.

Drg. 2 Sheets.

CLASS 129P.

147891.

Int. Cl.-B23b 29/14.

TOOLHOLDER FOR RECEIVING A TOOL BIT WITH CUTTING EDGES.

*Applicant*: IMPERO S.P.A., OF VIA RIGLIO 12-29100 PIACENZA, ITALY.

*Inventor*: PIETRO GUGLIEIMETTI.

Application No. 426/Del/77 filed November 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 5 Claims.

A toolholder for receiving a tool bit with cutting edges, comprising a thin end portion divided by a slot which divides said thin portion into an upper and a lower arm which comprise seats at their ends for receiving a cutting bit, wherein said slot extends beyond the thin portion and into the toolholder body, a further slot being provided in the toolholder body and separated from the first by a deformable thin wall, said further slot separating from the toolholder body a bracket portion from which the upper arm extends and on which control means act to urge said bracket to withdraw from the body such that the arms with the cutting bit therebetween become rightened together.

Comp. Specn. 6 Pages.

Drg. 1 Sheet.

CLASS 90F.

147892.

Int. Cl.-C03c 37/02.

A GLASS FIBER FORMING APPARATUS.

*Applicant*: NITTO BOSEKI CO., LTD., OF NO. 1, AZA HIGASHI, GONOME FUKUSHIMA-SHI, FUKUSHIMA, JAPAN.

*Inventors*: TOSHIO NOJI, HIROAKI SHONO AND ISAO WAKASA.

Application No. 936/Cal/77 filed June 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A glass fiber forming apparatus (1) including a molten glass container having a bottom plate, (2) provided with a plurality of filament withdrawal orifices, (3) characterized by: the bottom plate being inwardly curved in a concave manner, whereby its resistance to outward deformation owing to the weight of molten glass in the container and the tension of the withdrawn filaments is greatly increased.

Comp. Specn. 10 Pages.

Drg. 3 Sheets.

CLASS 90F &amp; I.

147893.

Int. Cl.-D01d 5/00.

BUSHING FOR APPARATUS FOR SPINNING GLASS FIBERS.

*Applicant*: NITTO BOSEKI COMPANY LIMITED, OF 1A, AZA HIGASHI, GONOME, FUKUSHIMA-SHI, JAPAN.

*Inventors*: HIROAKI SHONO, SHINZO ISHIKAWA, ISAO WAKASA AND MIYAKO ADACHI.

Application No. 966/Cal/77 filed June 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A bushing for a glass fiber spinning apparatus, having at its bottom an orifice plate provided with a great number of orifices such as herein described consisting of plain holes arranged so densely that molten glass cones consisting of masses of molten glass having flowed out of said bushing through respective orifices tend to join with adjacent ones, so as to cause the known flooding condition at the downside of said orifice plate, in which said bushing includes one or more beam member or members extending across the bushing and spacedly disposed from the orifice plate, said orifice plate being reinforced by at least one rod member connecting said beam member to said orifice plate.

Comp. Specn. 14 Pages.

Drg. 1 Sheet.

CLASS 40F &amp; I.

147894.

Int. Cl.-B01j 1/00.

TEST STRIP FOR DETECTING AN INGREDIENT OF A SAMPLE.

*Applicant*: THYROID DIAGNOSTICS, INC., OF 74 LOOMIS STREET, BEDFORD, MASSACHUSETTS, UNITED STATES OF AMERICA.

*Inventors*: MARSHALL EMANUEL DEUTSCH AND LOUIS WOODWARD MEAD.

Application No. 932/Cal/77 filed June 22, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims.

A test strip for the detection of an ingredient such as herein described, of a sample as herein described which comprises: a length of strip characterized by a length of capillarity having a first and second end therealong, a first zone located in said length of capillarity and spaced from said first end of

the capillarity to permit contact of said first end but not said first zone with a developing liquid such as herein described and impregnated with a first reagent, such as herein described said reagent being chosen to be mixable with said ingredient to provide a label therefor, and a second zone located in said length of capillarity in the direction of said second end from said first zone and including a second reagent adapted to slow capillary movement of a portion of said first reagent carried by said developing liquid, said length of capillarity being chosen to stop capillary transport there through while said portion of said first reagent is in said second zone, whereby a sample may be received in said length of capillarity and spaced from said first end of said capillarity to permit contact of said first end but not the place of sample reception with the developing liquid, said place of sample reception being in said length of capillarity between said first end and said second zone.

Comp. Specn. 38 Pages.

Drg. 4 Sheets.

CLASS 167C &amp; G.

147895.

Int. Cl.-B07c 5/16, B07c 5/344,

B07c 1/10.

AUTOMATIC DEVICE FOR SORTING FLAT ARTICLES.

*Applicant & Inventor* : IVAN ALEXANDROVICH KOLOSOV, ULITSA ASTRAKHANSKAYA, 118, KV. 54 SARA-TEV, USSR.

Application No. 1062/Cal/77 filed July 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims.

An automatic device for sorting flat articles, mainly storage battery electrode plates for selective assembly of electrode groups wherein there is a casing with a vertically-mounted drum in the centre, said drum being provided with posts arranged around the periphery of the drum which is intermittently turned by a drive from one sorting position to another; each of the posts of said sorting drum has a manipulator sliding freely over said post and provided with a catch for fixing said manipulators in the uppermost position; said drum has a memory unit with memory cells, each made in the form of a group of arms controlled by the electromagnets of the actuating mechanism and assembled on a vertical axle under each of said posts in the number equal to that of the sorted flat articles, and of stops installed, each, on each of said sorting position level with the arm which corresponds to the number of the sorted group, each of said catches being controlled by any one arm of said memory cell of the memory unit, thereby ensuring distribution of the sorted flat articles in piles around the periphery of the casing in accordance with the parameters of the sorted flat articles; installed on said casing is a control instrument which sends a signal via said actuating mechanism to said memory cells.

Comp. Specn. 11 Pages.

Drg. 2 Sheets.

CLASS 172C.

147896

Int. Cl.-D01g 5/00.

APPARATUS FOR SEPARATING CONTAMINANTS FROM FIBROUS MATERIAL, IN PARTICULAR FROM COTTON FIBROUS MATERIAL.

*Applicant* : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOISTADT, WEST GERMANY.

*Inventors* : KARL HANDSCHUCH AND REINHARD KONIG.

Application No. 1296/Cal/77 filed August 19, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims.

Apparatus for the separation of contaminants from fibrous material, in particular cotton, with at least two clothing rollers and a screen drum, which are positioned after a feed device.

the fibrous material being fed to the screen drum by means of an air current, characterised in that a housing, which has a continuous surface apart from dirt-separation openings with their associated dirt-separation edges, surrounds the two clothing rollers with only a small clearance between the housing and the rollers; the second clothing roller cooperating with the first clothing roller for the removal of fibrous materials and for opening-out the latter; and the centrifugal force effective at the periphery of the second clothing roller being greater than that effective at the periphery of the first clothing roller.

Comp. Specn. 29 Pages.

Drg. 4 Sheets.

CLASS 172B &amp; C.

147897.

Int. Cl.-D01g 9/12.

METHOD AND APPARATUS FOR CLEANING FIBROUS MATERIAL.

*Applicant* : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOISTADT, WEST GERMANY.

*Inventors* : PETER ARTZT, RUDOLF HEHL, GERHARD EGBERS AND ANTON SCHENCK.

Application No. 1534/Cal/77 filed October 25, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims.

A method of cleaning fibrous material, which is introduced in the form of a sliver to a sliver opener roller, is opened out by means of the opener roller in the form of individual fibres, and is then fed to an open-end spinning apparatus, characterised in that the fibrous material is simultaneously acted on by the opener roller and by air suction which is outwardly directed relative to the opener roller, while the fibrous material is guided in the circumferential direction of the opener roller.

Comp. Specn. 20 Pages.

Drg. 3 Sheets.

CLASS 91.

147898.

Int. Cl.-G05d 13/00

A CENTRIFUGAL SPEED GOVERNOR FOR A FUEL INJECTION TYPE INTERNAL COMBUSTION ENGINE.

*Applicant* : ROBERT BOSCH GMBH, OF POSTFACH 50, 7000 STUTTGART 1, FEDERAL REPUBLIC OF GERMANY.

*Inventor* : PETER KNORRECK.

Application No. 1649/Cal/77 filed November 26, 1977.

Convention date June 30, 1977/(27321/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A centrifugal speed governor for a fuel injection engine, the governor comprising a governor sleeve displaceable by centrifugal weights in dependence on engine speed, which sleeve is operative to act indirectly on a force-transmission element supported in the governor housing and subject to the force of at least one governor spring, and transmits governing movements via at least one intermediate lever to a fuel quantity delivery adjusting element, the governor also comprising at least one resilient stop supported by the force-transmission element, the resilient stop being disposed so as to come into operative connection with the governor sleeve and with a rocker lever for transmitting an adaptation governing stroke of the governor sleeve to the intermediate lever, the fulcrum of the rocker lever being disposed at such a distance from the stop as to allow, at least during a part of the yielding travel of the stop, control movements against the sense of governing, the fulcrum of the rocker lever being connected to the force-transmission element and the intermediate lever having an abutment at a point on the rocker lever, the point of abutment being remote from pivot points of the intermediate lever with respect to the governor sleeve and the delivery adjusting element, there being also provided

a restoring means which endeavours to maintain a positive abutment between the intermediate lever and the rocker lever.

Comp. Specn. 18 Pages,

Drg. 2 Sheets.

CLASS 83A1.

147899.

Int. Cl.-A231 1/00.

**A PROCESS FOR THE TREATMENT OF AN ACID HYDROLYSATE OF VEGETABLE MATTER INTO A DARK COLOURED FRACTION AND A LIGHT COLOURED FRACTION.**

*Applicant* : SOCIETE DES PRODUITS NESTLE S. A., OF 1800 VEVEY, SWITZERLAND.

*Inventors* : LIENHARD BODO HUSTER AND MAX GUGGENBUHLER.

Application No. 219/Cal/78 filed March 1, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 13 Claims.

A process for the treatment of an acid hydrolysate of vegetable matter rich in proteins for separating it into a dark coloured fraction and a light coloured fraction, characterised in that, in a turbulent flow, it is placed in contact with at least one semi-permeable membrane which retains the compounds of molecular weight above 500 and which is stable in an acidic medium under a pressure of from 4 to 50 kg/cm<sup>2</sup> which produces a first lightly coloured liquid or permeate which passes through the membrane, the average colour intensity of which, measured by its extinction, is about one tenth of that of the hydrolysate, and a second strongly coloured liquid or retentate which does not pass through the membrane.

Comp. Specn. 22 Pages.

Drg. 2 Sheets.

CLASS 39G.

147900.

Int. Cl.-C01f 7/60.

**PRODUCTION OF ANHYDROUS ALUMINUM CHLORIDE.**

*Applicant* : ALUMINUM COMPANY OF AMERICA, OF ALCOA BUILDING, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

*Inventors* : EDWARD SHAFFER MARTIN AND DAVID ALAN WOHLER.

Application No. 89/Del/78 filed February 2, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 11 Claims.

A process for the production of aluminum chloride from clay containing aluminum oxide and silicon oxide comprising :

(a) chlorinating the clay by contacting it with a mixture consisting essentially of :

(1) a chlorinating agent; (2) a reducing agent; (3) an alkali metal aluminum halide catalyst; and (4) SiCl<sub>4</sub>;

(b) separating the reaction products from said chlorination step; and

(c) recycling back to the chlorination step substantially all of the SiCl<sub>4</sub> separated from the reaction products to thereby promote the chlorination of the aluminum in the clay while suppressing net chlorination of the silicon to thereby produce substantially no additional SiCl<sub>4</sub>.

Comp. Specn. 15 Pages.

Drg. 1 Sheet.

CLASS 32F2b.

147901.

Int. Cl.-C07c 169/22.

**PROCESS FOR THE SYNTHESIS OF 3-OXO-7A-AZA-B-HOMO-4-ANDROSTENO [7A, 7-D] TETRAZOL-17β-YL ACETATE.**

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

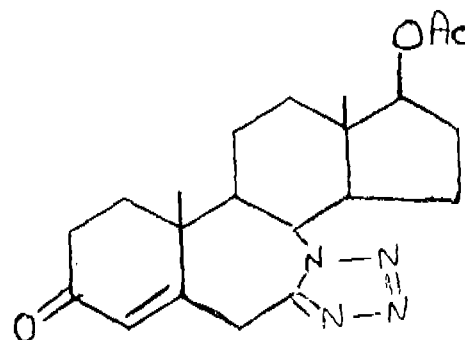
*Inventors* : HARKISHAN SINGH, KAMLESH KUMAR BHUTANI, RAVINDER KUMAR MALHOTRA AND DHARAM PAUL.

Application No. 134/Del/78 filed February 17, 1978.

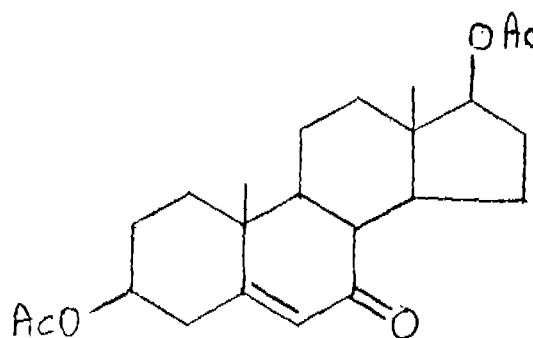
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 5 Claims.

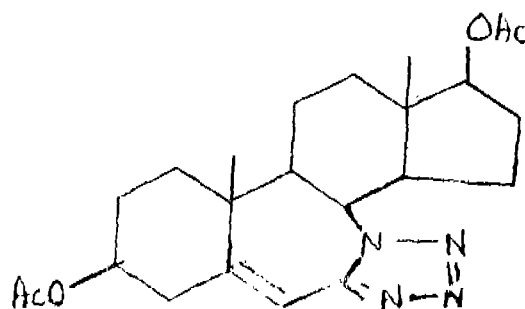
A process for the synthesis of 3-oxo-7a-aza-B-homo-4-androsteno [7a, 7-d] tetrazol-3β-yl acetate of formula (4).



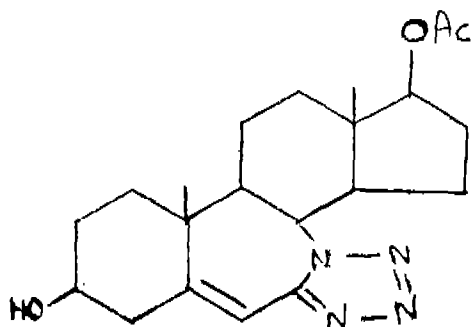
consisting of (i) reacting 7-oxo-5-androstene-3β, 17β-diol diacetate of formula (1).



with hydrazoic acid-boron trifluoride ether complex in an organic solvent, (ii) partially hydrolysing of 7a-aza-B-homo-5-androsteno [7a, 7-d] tetrabol-3β, 17β-diol diacetate of formula (2).



thus formed and (iii) subjecting the 3 $\beta$ -hydroxy-7a-aza-B-homo-5-androsteno [7a, 7-d] tetrazol-17 $\beta$ -yl acetate of formula (3).



formed to Oppenauer oxidation.

Comp. Specn. 5 Pages.

Drg. 1 Sheet.

CLASS 32F<sub>2</sub>b.

147902.

Int. Cl.-C07c 169/26.

PROCESS FOR THE SYNTHESIS OF 7a-AZA-B-HOMO-4-PREGNENO [7a, 7-d] TETRAZOLE-3, 20-DIONE.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

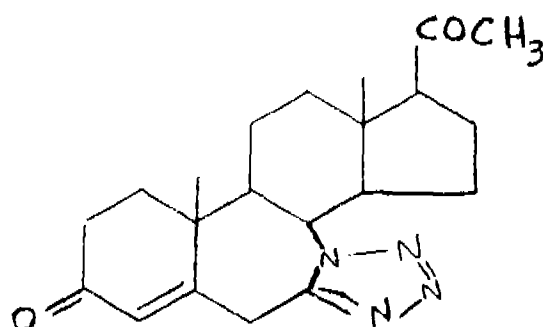
*Inventors*: HARKISHAN SINGH, KAMLESH KUMAR BHUTANI AND RAVINDER KUMAR MALHOTRA.

Application No. 135/Del/78 filed February 17, 1978.

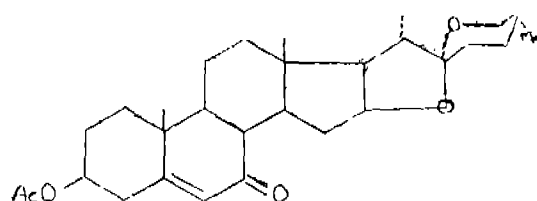
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims.

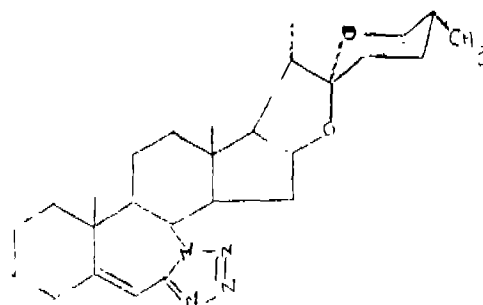
A process for the synthesis of 7a-aza-B-homo-4-pregneno [7a, 7-d] tetrazole-3, 20-dione of formula (6).



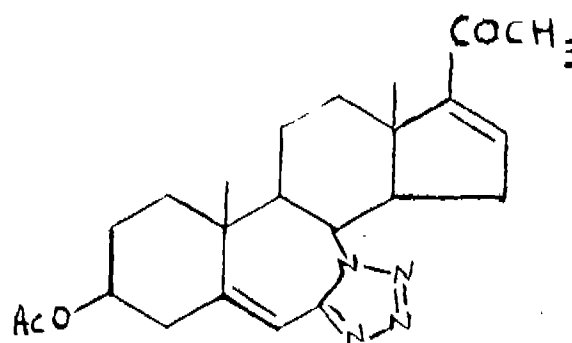
consisting of (a) reacting (25R)-7-oxo-5-spirosteno-3 $\beta$ -yl acetate of formula (1).



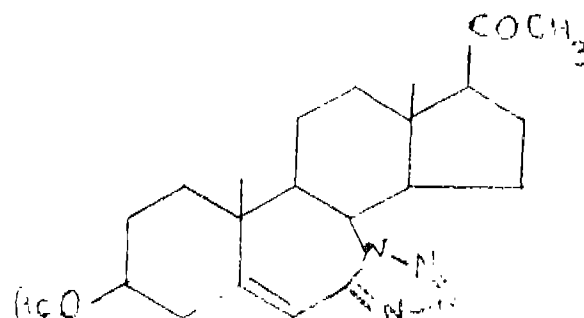
with excess of hydrazine acid-boron trifluoride ether complex in chloroform, (b) subjecting the (25R)-7a-aza-B-homo-5-spirosteno [7a, 7-d] tetrazol-3 $\beta$ -yl acetate of formula (2).



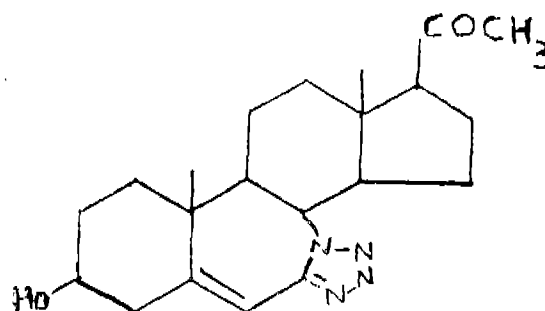
to Marker degradation, (c) hydrogenating the 20-oxo-7a-aza-B-homo-5, 16-pregnadieno [7a, 7-d] tetrazol-3 $\beta$ -yl acetate of formula (3).



obtained, in presence of Palladium-on Barium sulphate catalyst, (d) subjecting the 20-oxo-7a-aza-B-homo-5-pregneno [7a, 7-d] tetrazol-3 $\beta$ -yl acetate of formula (4).



thus formed to hydrolysis in presence of an acid and (e) treating the 3 $\beta$ -hydroxy-7a-aza-B-homo-5-pregneno [7a, 7-d] tetrazol-20-one of formula (5).



formed for Oppenauer oxidation with toluene-cyclohexanone system to obtain the final product of formula (6).

Comp. Specn. 5 Pages.

Drg. 1 Sheet

## CLAIMED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

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146730 146731 146780 146888

## SUPPLEMENTARY &amp; MISCELLANEOUS

The following patents in the field of chemical and Miscellaneous industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calendar year 1978, generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentees for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and address of the patentee	Title of the Patent
1	2	3	4	5

## CHEMICAL

1	124558	23-12-1969	BENILITE CORPORATION OF AMERICA, 233 Broadway New York, U.S.A.	Beneficiation of Ilmenite.
2	124857	24-03-1970	JOSEF MEISSNER, Bayenthalgurtel, Postfach, 76, F.R.G.	Bay-Separation of an emulsion.
3	126095	07-04-1970	NIPPON KOKAN K. K. 1-3, 1-Chome, Otemachi, Tokyo, Japan.	Manufacturing low and medium carbon ferro alloys.
4	126193	14-04-1970	DEGUSSA, 9 Weissfrauenstrasse, Frankfurt/Main, F.R.G.	Regeneration of catalyst.
5	131725	15-6-1971	(1) DR. Sc. B.C. HARL-HEINZ IMBAUSEN of Hahr Hochtster 8, West Germany. (2) IMPICO A.G., Talaekar 42, Zurich, Switzerland.	A polymerisation process and polymerization reactor for carrying out the process.
6	132144	16-07-1971	KENNECOTT COPPER CORPN., 161, East 42nd Street, State of New York, U.S.A.	Extrusion of copper and nickel from manganese nodules.
7	132145	16-07-1971	Do. Do.	Recovery of copper, nickel, cobalt and molybdenum from complex ores.
8	132146	16-07-1971	Do. Do.	Extracting metal values from deep sea nodules.
9	132245	26-07-1971	CHIEF SCIENTIST R & D Ministry of Defence, Govt. of India, New Delhi, India.	Preventing composition of misting and fogging on glass surfaces.
10	132267	27-07-1971	JOHNSON AND JOHNSON, New Brunswick, New Jersey, 501, George street, New Jersey, U.S.A.	Fabrics from synthetic resin binder composition.
11	132268	27-07-1971	JOHNSON AND JOHNSON, New Brunswick, New Jersey, U.S.A.	Method of applying synthetic resin binder to porous material.
12	132913	15-09-1971	UNIVERSAL OIL PRODUCTS INC., 10 Uop Plaza, Algenquin and Mt. Prospect Road, Desplaines, Illinois, U.S.A.	Apparatus for catalytic cracking of hydrocarbons.



1	2	3	4	5
13	133066	01-10-1971	BENILITE CORPORATION OF AMERICA, 233, Broadway, New York, U.S.A.	Pre-leaching or reduction treatment in the beneficiation of titaniferrous iron ores.
14	133329	12-09-1972	C.S.I.R., Rafi Marg, New Delhi, India.	Preparation of hydrocarbon vapour detector tube (Petroleum-vapour)
15	133530	08-11-1971	KENNECOTT COPPER CORPN; 42nd Street, New York, U.S.A.	Extracting metal values from complex Ores.
16	133738	25-11-1971	HOECHST A.G., 6230, Frankfurt/Main, F.R.G.	Preparation of water soluble diazo dyestuffs.
17	133766	26-11-1971	(1) METALLGESESCHFT, 6 Frankfurt/Main, Am, Reuterweg, 14 F.R.G. (2)VEBA-CHEMIC A.G., 4660, Gelsenkirchen-Buer, Dorstenerstrasse, 227, F.R.G.	Recovering pure maleic anhydride.
18	133767	27-01-1973	Do.	Do.
19	133913	10-12-1971	BILLERUDS AB, Company of Saffle, Sweden.	Manufacture of paper pulp from an eucalyptus wood.
20	133921	13-12-1971	C.S.I.R., New Delhi, India]	Fat liquours for treatment of leathers.
21	133961	25-08-1972	Do.	Do.
22	134184	04-01-1972	KAUTEX WERKE REINOLD HAGEN GMBH, 5300 Bonn Holzdeert, West Germany	Apparatus for producing tubular bodies of thermoplastic synthetic resin material.
23	134326	19-01-1972	PREROVSKE STROJIRNY NARODNI PODNIK, Preron, Czechoslovakia.	Producing burnt lime and burnt dolomite of fine granular material.
24	134327	19-01-1972	Do.	Do.
25	134411	28-01-1972	SANKYO CO. LTD., 1-6, 3-chome, Nihonbashi, Honcho, Chuo-ku, Tokyo, Japan.	Preparation of acid esters of 4-piperidine derivatives.
26	134557	10-02-1972	C.S.I.R., New Delhi, India.	Water permeable drains.
27	134718	23-02-1972	HINDUSTAN LEVER LTD., Hindustan Lever House, 165/166, Backbay Reclamation, Bombay, India.	Production of a cold water soluble ice.
28	134772	09-01-1973	C.S.I.R., New Delhi, India]	Recovery of alkali from aqueous solution.
29	134964	09-03-1973	Do.	Do.
30	136722	20-06-1972	C.S.I.R., New Delhi.	Acrylic polymer solution for finishing coating to wood, leather and metallic surfaces.
31	136944	17-09-1973	Do.	Do.
32	137207	12-06-1973	Do.	Do.
33	138490	19-09-1973	IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Millbank, London, England.	Manufacture of prostanolic acid derivatives.
34	138521	14-08-1974	g GABRIEL FRANCIS, Polyview; P. O. Kurseong, Dist. Darjeeling, West Bengal, India.	Instant tea powder/crystal.
35	138642	22-10-1973	LOUISIANA STATE UNIVERSITY, Baton Rouge, Louisiana, U.S.A.	Production of comestible, digestible protein from cellulose.
36	138928	15-04-1974	HINDUSTAN LEVER LTD., Backbay Reclamation, Bombay, India.	Cosmetic skin moisturizing composition.
37	139078	26-11-1974	IMPERIAL CHEMICAL INDUSTRIES LTD., Millbank, London, England.	Manufacture of morpholine derivatives.
38	139264	21-02-1973	AZIENDE CHIMICHE RIUNITE ANGELO FRANCESCO A.C.R.A.F.S.P.A., via se Amelia 70, Rome, Italy.	Preparation of substituted 1-benzyl-indole 3-carboxylicacids.
39	139418	06-12-1973	IMPERIAL CHEMICAL INDUSTRIES LTD., Millbank, London, England.	Manufacture of alkanolamine.

1	2	3	4	5
40	139821	02-11-1973	HINDUSTAN LEVER LTD., Backbay Reclamation, Bombay, India.	Detergent bars.
41	140178	17-10-1973	POLYSAR LIMITED, Sarnia, Ontario, Canada.	Vulcanisation of chloro butyl and bromobutyl.
42	140415	04-12-1973	KUREHA KAGAKU, KOGYO KABUSHIKI KAISHA, Horidome-cho, Nihonbashi, Tokyo, Japan.	Multiple vertical diaphragm type electrolytic cell for producing caustic soda.
43	140428	01-02-1974	FUJI PHOTO FILM CO. Limited., 210, Nakanuma Minami-Ashigora-shi, Kanagawa, Japan.	Colour photographic light sensitive material.
44	140435	15-03-1974	FUJI PHOTO FILM CO. LTD., Nakanuma, Kanagawa, Japan.	Colour photographic light sensitive material.
45	140439	28-07-1975	IMPERIAL CHEMICAL INDUSTRIES LTD., Millbank, London, England.	Manufacture of cinnolin-3 yl carboxylic acids.
46	141021	19-04-1975	Do.	Do.
47	141101	13-06-1974	MOBIL OIL CORPORATION, 150 East 42nd street, New York, New York, U.S.A.	Process for obtaining . Pxylene from a mixture of ethylbenzene and xylenes.
48	141125	14-05-1975	CHIEF CONTROLLER R & D, Ministry of Defence, Government of India, New Delhi, India.	Silver-cadmium oxide electrical contact materials.
49	141248	01-02-1974	C.S.I.R., New Delhi, India	Saturation bonded non-woven material.
50	141814	31-10-1974	INTERNATIONAL LIMITED, Formerly known as BOC LTD., Hammersmith House, London, England.	Process for separating a desired gas from a gas mixture of which it is a constituent by adsorption.
51	142219	04-12-1975	IMPERIAL CHEMICAL INDUSTRIES LTD., Millbank, London, England.	Manufacture of 2-chloro-1, 22, trifluoroethyl difluoromethyl ether.
52	142648	20-01-1976	(1) WILHELM EIRICH, Hardheim, Bahnhofster 19, (2) GUSTAV EIRICH, Hardheim, Walldurner 41, FRG.	Pulverising apparatus with a toothed disc.
53	143277	15-10-1975	MERCK PATENT GESELLSCHAFT MIT BESEHRANKTER Haftung, Darmstadt, Frankfurterstrasse, 250 FRG.	Rutile containing lustrous pigment.
54	143279	07-01-1976	NORDISK INSULINEABORATORIUM, Ved Stadion 2 DK 2820, Gentofte, Denmark.	Process for producing a stable insulin preparation with protracted action and low antigenicity.
55	143282	13-07-1976	HANS EINHEL GmbH, Industriegebiete D-8380, Landau, FRG.	An electrolytic cell for treatment of water.
56	143284	25-09-1974	THE ASSOCIATED PORTLAND CEMENT MANUFACTURERS LTD., Portland House, Stag Place, London, SW1E 5BJ England.	Improvements in early strength cements.
57	143291	13-05-1975	SHELL INTERNATIONALE RESEARCH Maatschappij B., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Apparatus for the gasification of finely divided fuels.
58	143292	19-05-1975	SNAMPROGETTI S.P.A. 16, Corso Venezia, Milan.	Process for separating butadiene from C <sub>4</sub> hydro carbon streams.
59	143296	23-06-1975	UOP INC., Des Plaines, Illinois, U. S. A.	Manufacture of hydrodesulfurization catalysts
60	143312	25-04-1974	BAYER AKTIENGESSELLSCHAFT, Leverkusen, F. R.G.	Purification of titanium tetrachloride.
61	143315	18-03-1975	HOECHST A.G. 6230, Frankfurt/Main 80, M. F.R.G	Preparation of new water soluble naphthyl monoazo pyrazolone dyestuffs.
62	143322	12-01-1977	C.S.I.R., New Delhi, India.	A process for the production of new coumarin having spasmolytic properties, from aerial parts of the plant clausena pentaphylla (Roxb) D.C.
63	143324	07-4-1976	Do.	Do.
				Preparation of inhibitive pigments.

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64	143325	22-11-1975	WALKER-CHEMITRONIC GESELLSCHAFT FOR ELECTRONK GROUNDSTOFFE MBH, Johannes-Hestrasse 24, 8263, Burghausen, West Germany.	Process for producing novel silicon crystals.
65	143328	18-10-1976	METALLGESELLSCHAFT A.G. 16 Frankfurt Am Reuterweg 14, West Germany	Process of thermally gasifying high boiling hydrocarbons by a treatment with water vapour and oxygen and a reactor therefor.
66	143334	19-11-1975	C.S.I.R., New Delhi India.	Process for extraction of nickel and cabalt valves laterite and limonitic nickeli ferrous ores.
67	143335	28-01-1975	HOECHST A.G., Frankfurt Main, F.R.G.	Process for the preparation of purearomatic-o-hydroxy-carb-boxylic acid aryl amides.
68	143341	17-09-1975	AUSTRALIAN FERTILIZERS LTD., 213 Miller Street, North Sydney, New South Wales, Australia.	Production of granular ammonium sulphate.
69	143348	21-06-1976	BAYER A.G., Lever Kusen, F.R.G.	Preparation of azo dye-stuffs whilst they are under going comminution.
70	143352	29-10-1975	THE FERTILIZER (PLANNING AND DEVELOPMENT) Corporation of India Limited. P-43 Ring Road, South Extension Part I, New Delhi-49, India.	Process for the manufacture of gypsum plaster.
71	143355	19-01-1977	BAYER A.G., Leverkusen, F.R.G.	Preparation of azo dye stuffs.
72	143365	18-06-1975	HOECHST A.G., Frankfurt/Main, F.R.G.	Preparation of water soluble monoazo compounds.
73	143374	24-10-1975	Do. Do.	Process for the reactive dyeing and printing of fibrous materials containing hydroxy groups.
74	143376	05-12-1975	METALLGESELLSCHAFT A.G., Reuterweg 14, F.R.G.	Production of heat by combustion of carbonaceous materials.
75	143381	21-12-1974	PERSONAL PRODUCTS CO., Milltown, New Jersey, U.S.A	Aldehydic polysaccharide dressings for absorbing body fluids.
76	143382	18-04-1975	METALLGESELLSCHAFT A.G., Frankfurt, Reuterweg, F.R.G.	Production of purified hydrogen and carbonmonoxide containing gas.
77	143386	10-11-1975	TEXACO DEVELOPMENT CORPN; 135 East 42nd Street, New York, N.Y. 10017, U.S.A.	Production of ethers.
78	143388	09-06-1976	THE LUBRIZOL CORPN; P. O. Box 17100, Euclid Station, Cleveland, Ohio, U.S.A.	A composition for causing swelling of seals.
79	143391	11-11-1974	DR. C. OTTO AND COMP GmbH, Christstrasse 9.	Isolation of crude benzol and naphthalene from the washing oil formed during the recovery of naphodine and/or from coke oven gas.
80	143497	14-05-1976	TUOMO HALONEN OY, 37800, Toijala Finland.	Method for uniformly heating a flowing substance, such as a liquid or gas.
81	143423	01-05-1974	E.I. Du PONTDE NEMOURS AND CO., Wilmington, Delaware, U.S.A.	Hydrometallurgical process to recover copper from sulphide ores concentrates.
82	143432	16-07-1976	CHONG MIN HO Co. C.M. Ho and Co., Makum Junction, P. O. and T. O. Assam, India.	A continuous oil distillation process and distillation plant thereof.
83	143438	15-01-1975	ANSTALT GEMASS, Vaduz, Lienchtenstein.	Methods for continuous hydrolysis of pentosane containing material and apparatus for implementing the method.
84	143442	10-10-1975	METALLURGICAL PROCESSES LTD., T.C.B. Bdg., West Bay Street, Nassau, Bahamas.	A method for condensing inc vapours.
85	143445	01-04-1976	UNITED TECHNOLOGIES CORPORATION, 1, Bin. Plaza, Hartford, Connecticut, U.S.A.	A fuel cell stack.

1	2	3	4	5
86	143457	02-01-1975	MONSANTO COMPANY, 800, North Lindbergh Boulevard, St. Louis, Missouri-63166, U.S.A.	Process of producing styrene from toluene.
87	143470	27-06-1975	KARL KEINER, 7081, Gold Shofe, Gstaad, West Germany.	Production of combustible gas from waste material.
88	143476	23-07-1976	RASA SHOJI K. K. No. 6, 2-Chome, Kayabacho, Nihonbashi, Chuo-ku, Tokyo, Japan.	Method of thickening granulated slag slurry or production of granulated slag.
89	143477	19-04-1975	CATERPILLER TRACTOR CO., Adams Street, Peoria, Illinois, 61629, U.S.A.	Method for manufacturing wear resistant alloy.
90	143503	19-08-1975	HOECHST A. G., 6230, Frankfurt/Main, FRG.	Preparation of easily dispersible phthalocyanin pigments of B-modification.
91	143518	05-01-1976	KYOWA HAKKO KOGYO CO. LTD., 6-1, Otemachi.	Preparation of dimethylated amino glycoside, antibiotics.
92	143520	27-04-1976	HOECHST A.G., Frankfurt/Main F.R.G.	Preparation of Acetoacetyl amide.
93	143578	24-11-1976	GULF OIL CORPORATION Pittsburgh, Pennsylvania, U.S.A.	Process for manufacturing 4-chloro-2-butyl N (3-chloro-phenyl) carbamate.
94	143627	22-05-1973	CHINOIN GYOGYSZER-ES VEGYESZETI TERMEKEK. GYARA RT, 1-5, Tó utch, Budapest IV Hungary.	Preparation of isoflavone derivative.
95	143729	05-05-1976	F.L. SMIDT AND CO., A.S. 77, Vigerslev Alle, DK-2500, Copenhagen-Valby, Denmark.	A method of calcining pulverous and granular raw material and a kiln plant for the same.
96	143774	28-06-1975	HIROSHI TEZUKA, 22-2, 1-Chome, Higashi, Shibuya-ku, Tokyo, Japan.	Preparation of explosive slurry composition.
97	143818	12-05-1976	C.S.I.R., New Delhi, India.	New fire extinguishing material used for inflammable liquids.
98	144179	21-08-1974	DR. C. OTTO & COMP. GmbH, Christstrasse 9 Postfach, 1849/1850, 463, Bachum, West Germany.	Producing gases free from ammonia, hydrogen sulphide, hydrocyanic acid etc;
99	144216	09-05-1975	E.I. DU PONT DE NEMOURS & CO., Wilmington, State Delaware, U.S.A.	Manufacture of oriented polyester filament.
100	144252	02-12-1974	MONSANTO COMPANY, 800 North Lindbergh, Boulevard, St. Louis, Missouri, U.S.A.	Novel bis phosphine compounds.
101	111466	11-07-1967	CHEMIEBAU DR. A. ZIEREN GMBH, & Co. KG Aachenstrasse 958, Köln-Braunsfeld, F.R.G.	Heating tube rotary furnace for calcining roasting or drying purpose.
102	113245	20-11-1967	TRUTZSCHLER AND CO., 407, Rheydt-Oden-Kirchen, West Germany,	A machine for opening cotton bales.
103	117836	25-09-1968	Do.	Apparatus for the pneumatic feeding of fibre tufts to spinning mill machine.
104	124948	20-01-1970	Do.	Apparatus for opening of Textile fibre bales.
105	131894	28-06-1971	HAIDOR FREDERIK AXEL TOPSOE, Frydenlunds, Vej. 2950, Vedback, Denmark.	Endothermic catalytic processes and apparatus therefor.
106	132627	23-08-1971	ESTABLISHMENT SALCAD, Vaduz, Liechtenstein.	Explosive device.
107	136216	27-12-1972	UNION CARBIDE CORPORATION, 270 Park Avenue, New York, U.S.A.	Non-aqueous electrochemical cells.
108	138962	25-04-1974	THE ENGLISH CARD CLOTHING CO. LTD., Acre Street, Lindley, Huddersfield., Yorkshir, England.	Foundation for card-clothing.
109	139303	17-07-1974	(1) TORE JERKER HALLENIIUS, 23, 852, 32, Sundsvall (2) KARL IVAR SAGEFORS, Vrentenvagen, 10, 171, 23, Solna, Sweden.	Method of blasting and reinforcing rock cavities.
110	139390	10-09-1973	POLYSAR LTD., Sarnia, Ontario, Canada.	Method and apparatus for extrusion drying of polymeric material.

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111	139654	19-12-1974	MIDREX CORPORATION, One NCNB, Plaza, Charlotte, North Carolina, 28280, U.S.A.	Apparatus for cooling a moving bed of solid gas permeable particles.
112	139799	19-07-1973	ESTABLISHMENT SALGAD, Vaduz, Liechtenstein.	Light Mortar for fin-stabilized projectiles.
113	140949	11-12-1974	FRIED, KRUPP HUTTENWERKE A.G., 46300 Bochum, West Germany.	Apparatus for the production of metals by a smelting metallurgical process.
114	141524	19-12-74	MIDREX CORPORATION, One NCNB Plaza, Charlotte, North Carolina, U.S.A.	Process for continuous passivation of sponge iron particles.
115	141666	20-05-1975	C.S.I.R., Rafi Marg, New Delhi, India.	Magnesium mercurous chloride dipolarized battery.
116	142016	04-07-1972	Do.	Improvements in the production of sintered matrices used in alkaline batteries.
117	142241	11-09-1975	Do.	Improvements in electrochemical reduction of nitrobenzene to P-aminophenol.
118	142305	04-10-1974	THE ENGLISH CARD CLOTHING CO. LTD., Lindley, Huddersfield, York-shire,	Method of manufacturing an asenate card clothed element and carding device therefor.
119	142306	04-10-1974	Do.	Improvements in card clothing, method of manufacturing and clothing.
120	142344	13-09-1974	MAGNESIUM ELEKTRON LTD., Lumn,s Lane, Clifton Junction, Swinton, Manchester, England.	A process of making hydrided magnesium alloy.
121	142706	08-07-1975	C.S.I.R., New Delhi, India.	Recovery of zinc from by product compounds such as the skimming from galvanising industry, waste from the zinc oxide manufacturing plants and by-product zinc hydroxide or zinc oxide from the chemical industry.
122	142831	19-12-1974	MIDREX CORPORATION, North Carolina, U.S.A.	A vertical shaft furnace for continous, heat treating dissimilarly sized particles.
123	142965	15-12-1975	C.S.I.R., New Delhi, India.	Improvements in preparation of Manganese sulphate solution from Manganese ores.
124	143814	08-11-1974	THE ENGLISH CARD CLOTHING CO. LTD, Yorkshire, England.	Assembly for use in a fibre processing machine and fibre processing machine incorporating it.
125	143819	09-05-1975	Do.	A stationary carding plate assembly and carding machine incorporating it.
126	144050	05-01-1977	K. DEVAYA, Model Machanism, No. 46, Nagappa Block, Bangalore, India.	A device for period flushing of latrines.

## PATENTS DEEMED TO BE ENDORSED WITH

## THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

*No. & Title of the invention*

- 139214 (11-09-75) A process for making antiinflammatory composition from cinnuminate.
- 139484 (16-02-74) Improvements in or relating to colouring of aluminium powder.
- 139919 (16-04-74) Process for preparing cephalosporin sulfonate esters.
- 139927 (16-04-74) Process for preparing 3-fluorocephalosporin.
- 140003 (21-11-73) Process for recovering aromatic hydrocarbons.
- 140158 (28-02-74) Process for preparing p-aminophenol.

## RENEWAL FEES PAID

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 100702 100761 100828 100878 101216 101391 101453 101784  
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#### CESSATION OF PATENTS

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#### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 95302 dated the 22nd August, 1964 made by Allplas A.G., on the 21st August, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 5th January, 1980 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 102791 dated the 1st December, 1965 made by Western Thomson Controls Limited on the 30th August, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 5th January, 1980 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 112047 dated the 21st August, 1967 made by Universal Oil Products Company on the 13th July, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 26th January, 1980 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 127672 dated the 23rd July, 1970 made by The Gillette Company on the 10th July, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 26th January, 1980 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 148463. Sundeep Dulichand Naik, an Indian Citizen, 1097, Shukrawar Peth, Poona-411002, Maharashtra, India. "Water Sprinkler". May 16, 1979.

Class 1. No. 148950. Brij Mohan trading as Industrial Measuring Instruments, 2584, Nai Basti, S. P. Mukherjee Marg, Delhi-6, Indian National. "Juice Extractor". October 30, 1979.

Class 1. No. 149109. IDC Integra Development Center AB, a Swedish Joint Stock Company, of Hedangen 5, S-433 00 Partille, Sweden. "Bicycle". December 21, 1979.

Class 1. No. 149110. IDC Integra Development Center AB, a Swedish Joint Stock Company, of Hedangen 5, S-433 00 Partille, Sweden. "Bicycle Frame". December 21, 1979.

Class 1. No. 149111. IDC Integra Development Center AB, a Swedish Joint Stock Company, of Hedangen 5, S-433 00 Partille, Sweden. "Bicycle Seat Post". December 21, 1979.

Class 3. No. 148905. Peico Electronics & Electricals Limited of Shivasagar Estate, Block "A", Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company, "A Radio Panel". October 15, 1979.

Class 3. No. 149012. Antique Enterprise, F-116-A, Kandivali Industrial Estate, Kandivli, Bombay-400067, Maharashtra, an Indian Partnership Firm, "Wall Clock". November 17, 1979.

Class 3. No. 149248. Haryax Plastic Products Company, 10/B, Dolatvihar Society, Dadabhai Road, Vile Parle (West), Bombay-400056, Maharashtra, an Indian Sole Proprietary Firm. "Cap-cum-dropper". February 4, 1980.

Class 3. No. 149249. Haryax Plastic Products Company, 10/B, Dolatvihar Society, Dadabhai Road, Vile Parle (West), Bombay-400056, Maharashtra, an Indian Sole Proprietary Firm. "Pourer Plug". February 4, 1980.

Class 10. No. 149295. Eastern Traders, B-48, Naraina Industrial Area, Phase-II New Delhi-110028. Indian Nationals. "Footwear". February, 1980.

#### LIST OF PERSONS WHO HAVE BEEN REGISTERED AS PATENT AGENTS UNDER SECTION 126 OF THE

##### PATENTS ACT, 1970

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2. Shri Saroj Kumar Chatterjee, Saba Ghosh & Co., 11, Russel Street, Calcutta-700071.
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5. Shri R. P. Bhattacharyu, M/s, DePenning & De-Penning, 31, Wallajah Road, Madras-600 002.
6. Smt. Alamelu Vaidyanathan, M/s. Remfry & Son, Kanchenjunga, 18, Barakhamba Road, New Delhi-110001.
7. Shri Sharatchandria Charanjeetlal Malhotra, M/s. Inter-Continental Trade Marks Bureau, Ghia Niwas, 3rd Floor, 73/75, Sutar Chawl, Zaveri Bazar, Bombay-400002.

S. VEDARAMAN

Controller-General of Patents, Designs  
and Trade Marks,

